

IN THE CLAIMS

Please amend the following claims. A marked-up version of the following claims is located in the section captioned "Version With Markings to Show Claim Changes Made."

Sub
R1
DI
Claim 1 (Four Times Amended). A composite chemical barrier fabric having improved durability comprising:

a multiple layer, chemical barrier material having a first side and a second side; and

a durability barrier layer coated on at least one of said first or second side comprising a thermoplastic polyolefin with an inherent bonding affinity to the chemical barrier material, the coated chemical barrier composite achieving at least 25% improvement in ASTM 1342 puncture resistance and at least 25% improvement in modified ISO 7854 Method B flex-crack resistance of the fabric when compared to a fabric not having said durability barrier layer.

Sub
R2
D2
Claim 13 (Twice amended) A composite chemical barrier fabric having improved durability, comprising:

Sub 1
22
cont

and

a durability barrier layer coated on at least one of said first or second side comprising a layer of a thermoplastic olefin resin having an inherent bonding affinity to the chemical barrier material, the resin having an ASTM D1238 melt flow rate 230/2.16g/10 min of about 0.45; an ASTM D793 density at 23 degrees Celsius g/cm³ of about 0.88; and an ASTM D1693 environmental stress-cracking resistance, hours of about >3,000.

D3

Claim 23 (Amended). The composite chemical barrier fabric of Claim 13 wherein the modified ISO 7854 Method B flex crack resistance of the fabric is enhanced by at least 25% through the combination of a multi-layered chemical barrier film and the added layer of thermoplastic olefin resin.

Claim 24 (Amended). The composite chemical barrier fabric of Claim 13 wherein the ASTM 1342 puncture resistance of the fabric is enhanced by at least 25% through the combination of a multi-layered chemical barrier film and the added layer of thermoplastic olefin resin.

Sub 1
23
cont

Claim 30 (Amended). A composite chemical barrier fabric having improved durability comprising:

SY
Contd
a multiple layer, chemical barrier material having a first side and a second side; and

a durability barrier layer coated on at least one of said first or second side comprising a thermoplastic polyolefin resin having an inherent bonding affinity to the chemical barrier material, the resin having an ASTM D1238 melt flow rate 230/2.16g/10 min of about 0.45.

Claim 35 (Amended). The composite chemical barrier fabric of Claim 30, wherein the fabric achieves at least about a 25% improvement in ASTM 1342 puncture resistance compared to a fabric without the durability layer.

DS
Claim 36 (Amended). The composite chemical barrier fabric of Claim 30, wherein the fabric achieves at least about a 25% improvement in modified ISO 7854 Method B flex crack resistance compared to a fabric without the durability layer.

Sub
Claim 37 (Amended). A composite chemical barrier fabric having improved durability comprising:

a multiple layer, chemical barrier material having a first side and a second side; and

a durability barrier layer coated on at least one of said first or second side comprising a thermoplastic polyolefin resin having an inherent bonding affinity to

the chemical barrier material, the resin having an ASTM D793 density at 23°C g/cm³ of about 0.88.

Claim 39 (Amended). The composite chemical barrier fabric of Claim 37, wherein the fabric achieves at least about a 25% improvement in ASTM 1342 puncture resistance compared to a fabric without the durability layer.

Claim 40 (Amended). The composite chemical barrier fabric of Claim 30, wherein the fabric achieves at least about a 25% improvement in modified ISO 7854 Method B flex crack resistance compared to a fabric without the durability layer.

REMARKS

Status of the Claims

Claims 1-31, and 33-42 are pending. Claims 1, 13, 23, 24, 30, 35-37, 39, and 40 are amended. Claims 1-31 and 33-42 stand rejected under 35 U.S.C. § 112, first and second paragraphs. Claims 1-3, 30, 31, 37, and 38 are rejected under 35 U.S.C. § 102(d). Claims 4-29, 33-36 and 39-42 are rejected under 35 U.S.C. § 103(a).